BRUHAT BANGALORE MAHANAGARA PALIKE

Yelahanka Zone, Electrical Division

Detailed Estime for Providing light facility for school play ground at Thanisandra Ward no-06

Budget Head:-

Ward No. 6 **Estimate No.27** **For Rs. 1000000.00**

Sl No	Description Of Work	Qty	Rate	Unit	Amount
	KPWD (elect) SR 2010-11				
1 41/38	Fabricating supplying and and mounting MS box made out ..... SWG suitable for floor/ wall mounting , fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc., compleate , b) 16SWG,	42500	0.33	Sqcm	14025.00
2 32/9	Supplying and fixing electro mechanical timer (without contactor) using necessary bolts, nuts and washers etc.,Group 'A' PWD SR 2007-08	1	4200.00	Each	4200.00
3 34/8	Supplying and fixing of 4 pole power contactor with NO/ NC contacts on existing wood/panel board using necessary bolts,nuts,washers and wiring etc,complete.with AC-3 rating as per IS-13947,c) 60-70 Amps ,	3	3865.00	Each	11595.00
4 36/12	Supplying and fixing Miniature circuit breakers over the existing MCB distribution boards using necessary fixing materials and 'C' type curve,indicator On/OFF Energy cross -3 with short circuit breaking capacity of 10K and complete wiring as required. Make: ABB, Seimens, Legrand, L&T, MG f) 40-63 Amps TPN 1) Group 'A'	3	1495.00	Each	4485.00
5 34/9	Supplying and fixing Moulded Case Circuit Breaker (MCCB) Over the existing wood/panel board using necessary screws, bolts, nuts and wiring thermal Magnetci Microprocessed release and Earth Fault as per IS-13947. (Icu=Ics)THREE POLE a) 100 Amps 25 kA,1) Group 'A'	1	3660.00	Each	3660.00
6 32/3	Supplying and fixing of porcelain fuse channel with cut out on existing wooden/panel using necessary nuts bolts and washer etc, complete c) 63 Amps	6	219.00	Each	1314.00
7 70/10	Supplying and fixing L.T. cast Iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc d. 35 Sqmm	2	313.00	Each	626.00
8 41/37	Supplying and fixing angle iron frame work fabricated out of M.S angle iron... and M.S. flat... with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint. . (32.9a) a) 40x40x6mm	48	240.00	Rmtr	11520.00

9 69/4	Supplying of LT UG cable having aluminium conductor PVC insulated, sheathed, galvanized, steel wire/steel tap armoured cable with PVC outer sheathing 1.1KV Class I. Class 'A' PVC Cable d) 4 core 16sqmm	550	150.00	Per Mtr	82500.00
	f) 3.5 core 35sqmm	120	250.00	Per Mtr	30000.00
10 69/5	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe/ stoneware pipe/ on wall/ on pole as required. I. In existing trench /duct. a) 6sqmm to 16 sqmm	550	8.00	Rmtr	4400.00
	b) 25 sqmm to 75 sqmm	120	11.00	Rmtr	1320.00
11 70/6	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete. (As per Civil SR KSRB 1-2, P-7)b. In hard Soil	450	50.00	Rmtr	22500.00
12 9/20	Wiring for lighting/power circuit using one of PVC insulated 1100v grade, multistrand Copper conductor single core cable in open or consealed system of wiring.I Group A .c) 2.5 sqmm	395	25.00	Per Mtr	9875.00
13 70/9	Supplying and fixing of class A (medium duty) GI pipe of wall thick ness not less than 3.25 mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class . a. 40 mm	12	240.00	Rmtr	2880.00
14	Casting of suitable foundation for the Octagonal Pole including designing and cost of all materials like Anchor plates,Template and washers labour charges, all other incidental charges etc,. complete as per specification and Drawing given in KPWD elect SR 2010-11(P.No 103) Detailed Calculation as per CIVIL SR items Enclosed.	16	4929.00	Each	78864.00
15	Hire Charges Components for Tractor 50 HP ,Sl no 20, Page No XXXIV, KPWD SR CIVIL 2010-11	2	2240.00	Day	4480.00
16	Hire Charges Components for Crane Charges ,Sl no 66, Page No XXXVI, KPWD SR CIVIL 2010-12	2	3200.00	Day	6400.00
17	Supplying and Fixing 4 Nos of 590 mm length High Yield Tensile Cold Rolled Pitched threads (680 N/sq mm) 27 mm Bolt dia (Mkt Rate)	16	1350.00	Nos	21600.00
18	Laying of UG cables by Trenchless technology by adopting Horizontal boring Boring and Drawing of Cable including preparation at site With HDPE Pipe iii) Normal Soil 6" Bore size BESCOM SR 2010-11 Labour Charges Sl No 294 Item No 27.1.2.3	27	730.00	Rmtr	19710.00
19 20/14	Supplying High pressure... Watts Metal halide flood light luminary suitable for use with high pressure metal halide lamp with integrated control gear. The fitting shall be non corrosive high pressure die cast aluminium housing with low copper content black/grey powder coated pain finish including wiring, suitable to operate on 230/250 Volts 50 Hz AC supply with---- watts HP metal halide lamps.VI 2X400 Watts a) Group 'A'	32	18700.00	Each	598400.00
20 55/63	Painting of existing street light pole after scrapping the old paint and painted with suitable colour enamel/Silver paint including coping/looting of the pole c) 8 Mtr and above street light pole	16	525.00	Nos	8400.00

21 42/39	Supply and Installation/Fixing/Provision for mounting of HRC Fuse /MCB with suitable connector/teminal for 3 Ph/1 Ph connections with Loop-in & Loop-Out terminals for 10 Sqmm/25 sqmm 3.5 C Al/AR/Cu/AR Cable and branchout 2.5 Sqmm 2 Core Al/Cu PVC insulated cable, enclosure, which should be shock proof, safe IP 65 (Weather Proof), rust proof, dust proof, water proof having Internally Embedded Gasket with provision for cable entry through IP 65 Thermoplastic, Polyamide glands and /or grommets. a) 200x200x98mm	20	925.00	Each	18500.00 961,254.00
	Sub Total				879189.00
			38,746.00		
	Bescom Deposit and Missalaneous				32892.10
	TOTAL				**1000000.00**

CERTIFICATE :-

1. The place was inspected and the work is essential.
2. The provision made in the estimate are adequate and necessary and the work comes in the BBMP limit and is legitimate Charges on the BBMP funds.
3. The estimate is based on KPWD (Ele) S.R.2010-11 Rates.and BBMP Approved rates

Jr. Engineer (Elecl) /Asst Eng

Asst. Executive Engineer (Elecl)
Byt Sub Div, Yelahanka Zone

EXECUTIVE ENGINEER (ELECL)
Yelahanaka Zone, BBMP

ADMINISTRATIVELY SANCTIONED FOR Rs 10.00 Lakhs
Rupees Ten Lakhs only
Under
Registered as EE ( ) No. à 9
Subject to conditions contained in
enclosed memo EE ( ) No. /9/
Dt Estimate A/S Sanctioned
Addl Comr (42) AS/863/13-14
dated 13-2-2014 Rs. 10.00 lakhs.

Addl Commissioner
(Yelahanka Zone)
BBMP. Bengaluru-92.

TECHNICALLY SANCTIONED FOR Rs. 10.00 lakhs
Rupees Ten Lakhs only
Under
Registered as EE ( ) No. 9 9
Subject to conditions contained in
enclosed memo EE ( ) No. BBMP/EE(Ele)/42/TS/12/13-14
Dt 14.02.2014 Estimate A/ Sanctioned
Addl Comr(42)AS/863/13-14 No.
Dated 13.02.2014 Rs 10.00 lakhs

Executive Engineer 14/02/14